

TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>

Licensee: Tarrawonga Coal Pty Ltd

Licensee Address: Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: January 2023

Obtained Date: 3/02/2023

Publication Date: 13/02/2023

Table 1 - No Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date of Max. Value Obtained | Min Value | Mean Value | Median Value | Max or Only Value | Comments |
|--------|--------------|------------------|----------------------|------------------------------|--------------|-----------------------------|-----------|------------|--------------|-------------------|----------|
| 5 | TSS | mg/L | Upon discharge | - | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | - | - | - | - | - | - | - | |
| | Oil & Grease | mg/L | | - | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | - | |
| 6 | TSS | mg/L | Upon discharge | - | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | - | - | - | - | - | - | - | |
| | Oil & Grease | mg/L | | - | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | - | |

Table 2 - Pollutant Limits Apply

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date of Max. Value Obtained | Min Value | Max or Only Value | 100%ile Limit | Exceed-ance (Yes/ No) | Comment/s |
|--------|--------------|------------------|----------------------|------------------------------|--------------|-----------------------------|-----------|-------------------|---------------|-----------------------|-----------|
| 1 | TSS | mg/L | Upon discharge | - | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | - | - | - | - | - | - | - | |
| | Oil & Grease | mg/L | | - | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | - | |
| 2 | TSS | mg/L | Upon discharge | - | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | - | - | - | - | - | - | - | |
| | Oil & Grease | mg/L | | - | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | - | |
| 3 | TSS | mg/L | Upon discharge | - | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | - | - | - | - | - | - | - | |
| | Oil & Grease | mg/L | | - | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | - | |
| 26 | TSS | mg/L | Upon discharge | - | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | - | - | - | - | - | - | - | |
| | Oil & Grease | mg/L | | - | - | - | - | - | - | - | |

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Month | Date Sampled | Date of Max. Value Obtained | Min Value | Max or Only Value | 100%ile Limit | Exceed-ance (Yes/ No) | Comment/s |
|--------|--------------|------------------|----------------------|------------------------------|--------------|-----------------------------|-----------|-------------------|---------------|-----------------------|-----------|
| | pH | pH | | - | - | - | - | - | - | - | |
| 27 | TSS | mg/L | Upon discharge | - | - | - | - | - | - | - | - |
| | Conductivity | µS/cm | | - | - | - | - | - | - | - | |
| | Oil & Grease | mg/L | | - | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | - | |

Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)

| EPL ID | Pollutant | Units of Measure | Monitoring Frequency | No. of Samples for the Period | Date Sampled | Date of Max. Value Obtained | Min Value | Mean Value | Median Value | Max or Only Value |
|--------|----------------------|------------------|----------------------------------|-------------------------------|--------------|-----------------------------|-----------|------------|--------------|-------------------|
| 9 | Conductivity | µS/cm | 6 monthly – (Mar- Sep) | - | - | - | - | - | - | - |
| | Lead | mg/L | | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | |
| | Standing Water Level | metres | | - | - | - | - | - | - | |
| 10 | Conductivity | µS/cm | 6 monthly – (Mar- Sep) | - | - | - | - | - | - | - |
| | Lead | mg/L | | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | |
| | Standing Water Level | metres | | - | - | - | - | - | - | |
| 12 | Conductivity | µS/cm | 6 monthly – (Mar- Sep) | - | - | - | - | - | - | - |
| | Lead | mg/L | | - | - | - | - | - | - | |
| | pH | pH | | - | - | - | - | - | - | |
| | Standing Water Level | metres | | - | - | - | - | - | - | |
| 13 | Conductivity | µS/cm | Quarterly - (Feb, May, Aug, Nov) | - | - | - | - | - | - | - |
| | Oil & Grease | mg/L | | - | - | - | - | - | - | - |
| | pH | pH | | - | - | - | - | - | - | - |
| | TSS | mg/L | | - | - | - | - | - | - | - |

Table 4 – Quarterly Attended Noise Monitoring

(Noise Limits Apply -35dB LAeq(15min) -Day, Evening and Night;45dB LA1(1min) -Night)

No Noise Monitoring data reported for January

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

| November | Parameter | Units of Measure | Frequency | No. of Blasts for the Month | Average Value | Max Value | 100%ile Limit | (Potential) Non-compliance /breach | Date Obtained |
|-----------|-----------------|------------------|-------------|-----------------------------|---------------|-----------|---------------|------------------------------------|---------------|
| Coomalgah | Blast Noise | dB (Lin Peak) | Every Blast | 7 | 95.24 | 105.5 | 120 | Nil | 06/01/23 |
| | Blast Vibration | mm/s | Every Blast | 7 | 0.15 | 0.68 | 10 | Nil | 06/01/23 |

Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)

| Location | No. of samples required by licence | Lowest sample value | Mean of sample | Highest sample value |
|--|------------------------------------|---------------------|----------------|----------------------|
| 28 "Flixton" property* TEOM ($\mu\text{g}/\text{m}^3$) | Continuous | 0.21 | 18.7 | 345 |

**Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations

